

AMENDMENTS TO THE DRAWINGS:

Replacement Drawing Sheets contained amended figures 4, 5, 6, 7, 8, 10, 11, 12 and 13 are attached as an appendix hereto. In the amended figures, typographical errors in the spellings of the words "execution", "acceleration", "calculation", "management" and "measurement" have been corrected. Applicants respectfully submit that the amendments to the figures do not add any new subject matter.

REMARKS

This paper is being provided in response to the Office Action dated April 2, 2008, for the above-referenced application. In this response, Applicants have amended claims 1, 4-10 and added new claims 11-18 to clarify that which Applicants consider to be the presently-claimed invention. Applicants respectfully submit that the amendments to the claims and the new claims are fully supported by the originally-filed specification. Further, Applicants have amended the specification and drawings for purposes of clarification. Applicants respectfully submit that the amendments to the specification and drawings do not add new subject matter.

The objection to claims 9 and 10 under 37 C.F.R. 1.75(c) has been addressed by amendments contained herein in accordance with the guidelines set forth in the Office Action. Accordingly, Applicants respectfully request that the objection be reconsidered and withdrawn.

The rejection of claims 1-7 under 35 U.S.C. 102(e) as being anticipated by U.S. Patent App. Pub. No. 2003/0157961 to Glover (hereinafter "Glover") is hereby traversed and reconsideration is respectfully requested in view of the amendments to the claims contained herein.

Independent claim 1, as amended herein, recites a mobile communication terminal including first memory means and second memory means for storing data. An application program execution means executes an application program using data stored in the second memory means. Detection means detects at least one of position, direction, attitude and movement of the mobile communication terminal along at least one axis of a coordinate system.

Memory process means performs a memory process to store detection result data acquired based on detection results by the detection means in the first memory means, wherein the detection result data includes information concerning changes to the at least one of position, direction, attitude and movement of the mobile communication terminal along the at least one axis. Data transfer means transfers the detection result data stored in the first memory means to the second memory means, according to a data transfer instruction from the application program execution means, wherein the application program execution means executes the application program using the detection result data stored in the second memory means. Claims 2, 3, 9 and 10 depend from independent claim 1.

Independent claim 4, as amended herein, recites a mobile communication terminal including memory means for storing data and including application program execution means for executing an application program using data stored in the memory means. A 3-axis magnetic sensor and a 2-axis acceleration sensor used as detection means for detecting at least one of position, direction, attitude and movement of the mobile communication terminal in connection with at least one axis of a coordinate system in accordance with a detection instruction generated by the application program execution means according to a description of the application program. Memory process means stores detection result data acquired based on detection results by the detection means in the memory means, wherein the detection results include information concerning changes to the at least one of position, direction, attitude and movement of the mobile communication terminal in connection with the at least one axis, and—wherein the application program execution means executes the application program using the detection result data stored in the memory means. Claims 9 and 10 depend from independent claim 4.

Independent claim 5, as amended herein, recites a mobile communication terminal including application program execution means for executing an application program using data stored in memory means. Detection means detects at least one of position, direction, attitude and movement of the mobile communication terminal. Data process means performs data process of assigning the detection data of the detection means to predetermined arithmetic expression for calculation and storing the calculation result data in the memory means, wherein the detection data includes information concerning changes to the at least one of position, direction, attitude and movement of the mobile communication terminal in connection with the at least one axis, and wherein the application program execution means executes the application program using the calculation result data stored in the memory means. Claims 8-10 depend from independent claim 5.

Independent claim 6, as amended herein, recites a mobile communication terminal including application program execution means for executing an application program using data stored in memory means. Detection means detects at least one of position, direction, attitude and movement of the mobile communication terminal in connection with at least one axis of a coordinate system. Data process means for performing data processes of linking mutually between detection data of the detection means or data calculated from this detection data and other data acquired by means other than the detection means, and storing the linked data in the memory means, wherein the detection data includes information concerning changes to the at least one of position, direction, attitude and movement of the mobile communication terminal in connection with the at least one axis, and wherein the application program execution means executes the application program using the linked data stored in the memory means. Claims 8-10 depend from independent claim 6.

Independent claim 7, as amended herein, recites a mobile communication terminal including application program execution means for executing an application program using data stored in memory means. Detection means detects at least one of position, direction, attitude and movement of the mobile communication terminal in connection with at least one axis of a coordinate system. Data process means performs a data process of specifying at least two of detection data of the detection means or data calculated from the detection data, which meet predetermined conditions, and storing the specified data in the memory means, wherein the detection data includes information concerning changes to the at least one of position, direction, attitude and movement of the mobile communication terminal in connection with the at least one axis, and wherein the application program execution means executes an application program using the specified data stored in the memory means. Claims 8-10 depend from independent claim 7.

The Glover reference discloses a peripheral data entry device with integrated wireless modem. The housing includes an interface, a process, a wireless modem and a data entry module. The data entry module of the peripheral data entry device 10 includes gaming keys 12 and keyboard 17. (See Figure 1 of Glover). The Office Action cites to a directional pad of the data entry device 10 of Glover.

Applicants' independent claims, as amended herein, recite that detection means, and the detection data resulting therefrom, involve the detection and use of least one of position, direction, attitude and movement of the mobile communication terminal in connection with at least one axis of a coordinate system. The Office Action cites to the directional keypad of

Glover that may be depressed by a user, stored in memory, and used to provide manipulation of actions on a PDA. However, Applicants submit that a directional pad on a PDA according to the system of Glover does not teach or fairly suggest the detection of position, direction, attitude or movement of a mobile communication terminal in connection with at least one axis of a coordinate system, as recited by Applicants. Specifically, Applicants recite that this detection data and results (of movement etc.. of the mobile communication terminal itself) is what is stored and used in connection with execution of an application program on the mobile communication terminal. For purpose of explanation and example only, Applicants refer to page 17, line 13 to page 18, line 4; page 27, line 13-18 and page 28, lines 2-13 of the originally-filed specification in which is discussed the use of sensors, and processing therefrom, to execute an application program (such as a flight simulation program and/or an alarm clock of a mobile communication terminal) in which information from the position, direction, attitude or movement of the mobile communication terminal in connection with at least one axis of a coordinate system is used to control (for example, the use of a geomagnetic sensor to detect position, direction and/or orientation of the mobile communication terminal). Applicants point out that Applicants claims are directed to the direction and/or movement of the mobile communication terminal itself being detected, in contrast to the manipulation of a keypad or directional pad on the mobile communication terminal as disclosed in Glover and cited in the Office Action.

Accordingly, Applicants respectfully submit that Glover does not teach or fairly suggest a mobile communication terminal including at least the features of detection means for detecting at least one of position, direction, attitude and movement of the mobile communication terminal along at least one axis of a coordinate system, and that uses detection data resulting therefrom, wherein the detection data includes information concerning changes to the at least one of

position, direction, attitude and movement of the mobile communication terminal along the at least one axis. In view of the above, Applicants respectfully request that the rejection be reconsidered and withdrawn.

The rejection of claim 8 under 35 U.S.C. 103(a) as being unpatentable over Glover in view of U.S. Patent No. 7,175,529 to Hartman (hereinafter "Hartman") is hereby traversed and reconsideration is respectfully requested in view of the amendments to the claims contained herein.

The features of Applicants' independent claims are discussed above in connection with Glover. Claim 8 depends therefrom.

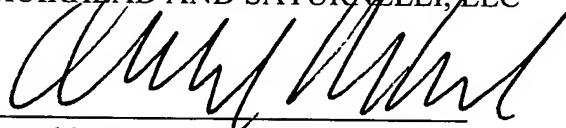
The Hartman reference discloses a method and apparatus for an RF transmitter layout in a gaming hall. The Office Action cites to Hartman as disclosing a radio communication means for communicating by wireless communication utilizing radio waves.

Applicants respectfully submit that the Hartman reference does not overcome the above-noted deficiencies of Glover with respect to Applicants' presently-claimed invention. Hartman is cited, as noted above, for disclosure of radio communication and does not address, nor is cited in the Office Action in respect to, the issues discussed above in connection with Glover. Accordingly, Applicants respectfully submit that neither Glover nor Hartman, taken alone or in combination, teach or fairly suggest at least the above-noted features as claimed by Applicants. In view of the above, Applicants respectfully request that the rejection be reconsidered and withdrawn.

Further, Applicants have added new claims 11-18 and, in accordance with the remarks set forth herein, respectfully submit that these claims are patentable over the cited prior art. Applicants respectfully submit that the claims are fully supported by the originally-filed specification. (See, for example, page 17, line 13 to page 18, line 4; page 27, line 13-18 and page 28, lines 2-13 of the originally-filed specification).

Based on the above, Applicants respectfully request that the Examiner reconsider and withdraw all outstanding rejections and objections. Favorable consideration and allowance are earnestly solicited. Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at 508-898-8603.

Respectfully submitted,
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